NUCLEAR PHYSICS A

Volume A732 (2004) ISSN 0375-9474

23 February 2004

Nuclear and Hadronic Physics

Journal devoted to the experimental and theoretical study of the fundamental constituents of matter and their interactions
Abstracted/Indexed in: Current Contents: Physical, Chemical & Earth Sciences

Supervisory Editors: **G.E. Brown, A. Gal, K. Langanke, L. McLerran, A. Richter, M. Soyeur, J. Stachel, I. Tanihata** *Executive Editor:* **J. Bakker**

COMPLETE VOLUME

NUCLEAR STRUCTURE AND DYNAMICS

Y.-X. Yang and Q.-R. Li
A folding model of the $\alpha + {}^{12}C$ elastic scattering based on an α-particle model for ${}^{12}C$ 3

S.S. Malik, P. Agarwal and A.K. Jain
Magnetic rotation based on oblate shape in odd Kr-isotopes 13

T. Gaitanos, M. Di Toro, S. Typel, V. Baran, C. Fuchs, V. Greco and H.H. Wolter
On the Lorentz structure of the symmetry energy 24

D.R. Bes and O. Civitarese
Isospin-symmetry violation. Collective treatment of the I.A.S. 49

HADRONIC PHYSICS

S. Bondarenko, E. Levin and C.-I. Tan
High energy amplitude as an admixture of 'soft' and 'hard' Pomerons 73

P. Schweitzer and A. Bacchetta
Azimuthal single spin asymmetries in SIDIS in the light of chiral symmetry breaking 106

E. Gedalin, A. Moalem and L. Razdolskaya
Meson $U(3)_L \otimes U(3)_R$ chiral theory with flavor and nonet symmetry breaking 125

V. Bernard, T.R. Hemmert and U.-G. Meißner
Cutoff schemes in chiral perturbation theory and the quark mass expansion of the nucleon mass 149

(continued on page 4 of cover)

NORTH-HOLLAND

Also available on
SCIENCE DIRECT
www.sciencedirect.com

(continued from page 1 of cover)

INTERMEDIATE AND HIGH ENERGY HEAVY ION PHYSICS

E. Geraci, M. Bruno, M. D'Agostino, E. De Filippo, A. Pagano, G. Vannini, M. Alderighi, A. Anzalone, L. Auditore, V. Baran, R. Barnà, M. Bartolucci, I. Berceanu, J. Blicharska, A. Bonasera, B. Borderie, R. Bougault, J. Brzychczyk, G. Cardella, S. Cavallaro, A. Chbihi, J. Cibor, M. Colonna, D. De Pasquale, M. Di Toro, F. Giustolisi, A. Grzeszczuk, P. Guazzoni, D. Guinet, M. Iacono-Manno, A. Italiano, S. Kowalski, E. La Guidara, G. Lanzalone, G. Lanzanó, N. Le Neindre, S. Li, S. Lo Nigro, C. Maiolino, Z. Majka, G. Manfredi, T. Paduszynski, M. Papa, M. Petrovici, E. Piasecki, S. Pirrone, G. Politi, A. Pop, F. Porto, M.F. Rivet, E. Rosato, S. Russo, P. Russotto, G. Sechi, V. Simion, M.L. Sperduto, J.C. Steckmeyer, A. Trifirò, M. Trimarchi, M. Vigilante, J.P. Wieleczko, J. Wilczynski, H. Wu, Z. Xiao, L. Zetta and W. Zipper
Isoscaling in central $^{124}Sn + {}^{64}Ni$, $^{112}Sn + {}^{58}Ni$ collisions at 35 A MeV 173

J. Rizzo, M. Colonna, M. Di Toro and V. Greco
Transport properties of isospin effective mass splitting 202

ERRATA

B. Abu-Ibrahim and Y. Suzuki
Erratum to: "The optical potential of ^{6}He in the eikonal approximation" [Nucl. Phys. A 728 (2003) 118] 218

I.R. Blokland and H.S. Sherif
Erratum to: "Relativistic calculations for incoherent photoproduction of η mesons" [Nucl. Phys. A 694 (2001) 337] 220

Cumulative author index 223

0375-9474(20040223)732:1-4;1-G